

A close-up photograph of a person's hand holding a glowing blue crystal ball. The hand is positioned in the lower center of the frame, with the fingers supporting the bottom of the sphere. The crystal ball reflects a vibrant sunset or sunrise, showing shades of orange, yellow, and red. The background is a soft-focus landscape of a setting or rising sun over water, with a dark silhouette of land in the foreground.

THE FUTURE IS SERVERLESS

V. Buirski | 2018

SERVERLESS

- ▶ A cloud-computing execution model in which the cloud provider acts as the server, dynamically managing the allocation of machine resources.

DEVELOPER TOOLS

AWS Lambda

GCP Compute

Microsoft Azure

Kubernetes



BENEFITS

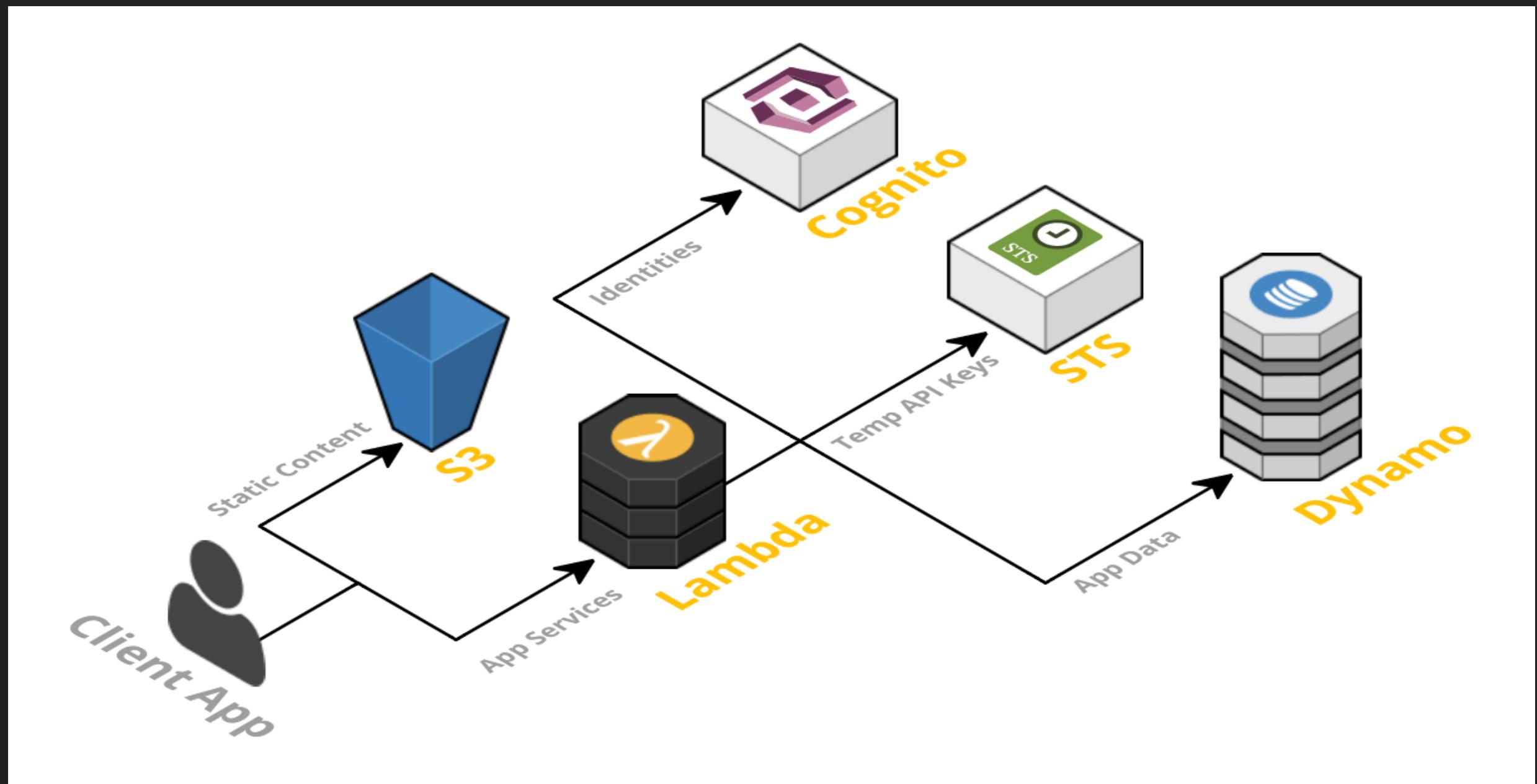
- ▶ No Server Management
- ▶ Flexible Scaling
- ▶ Pay for Value
- ▶ Automated High Availability

which means ...



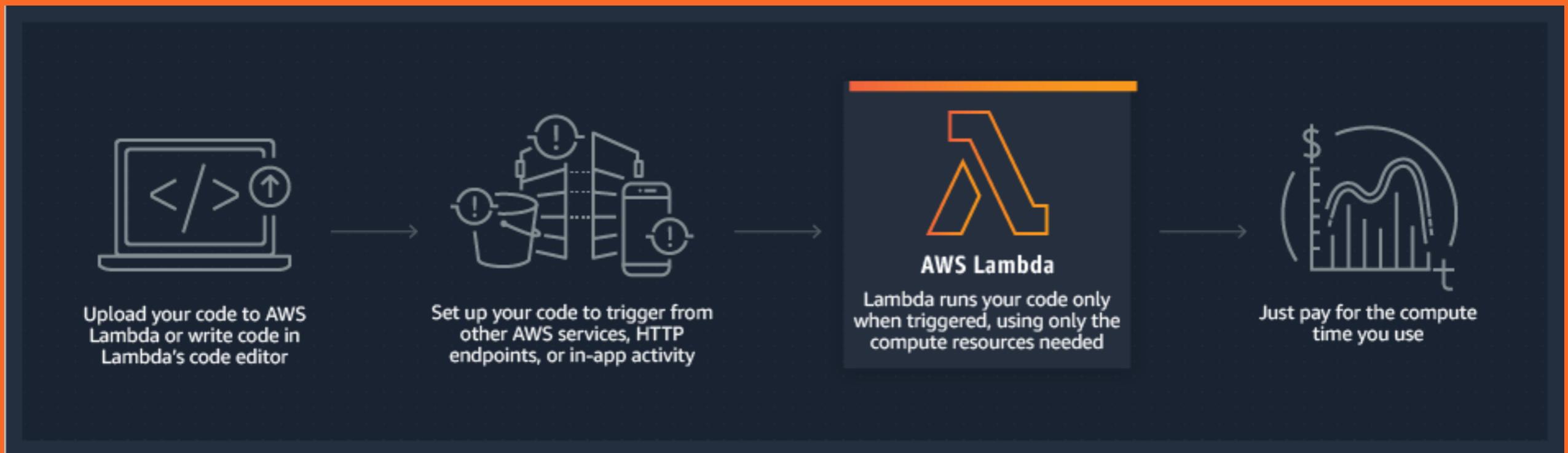
**FOCUS ON YOUR
APPLICATION
(NOT THE
INFRASTRUCTURE)**

GENERAL COMPONENTS

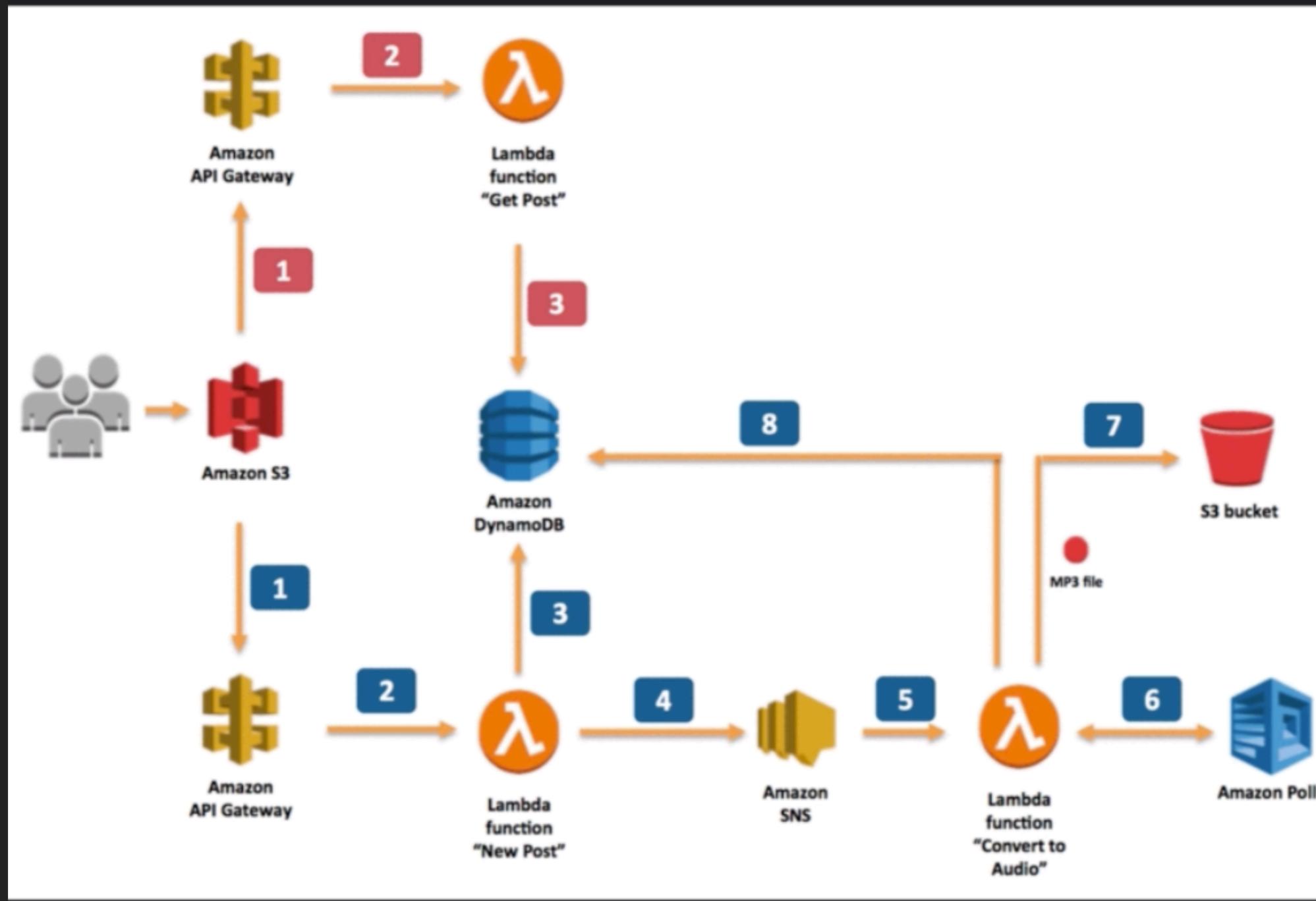


Source: <http://blog.tonyfendall.com/2015/12/serverless-architectures-using-aws-lambda/>

PROCESS



OVERVIEW OF DEMO



WHAT CAN WE DO WITH IT?

- ▶ Auto-scaling Websites and APIs
- ▶ Event Streaming
- ▶ Image and Video Manipulations
- ▶ Processing Events and SaaS
- ▶ Multi-language Applications
- ▶ CI / CD

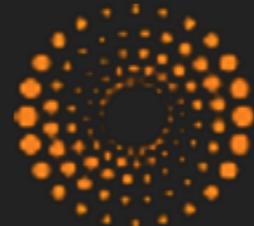
GIVE ME NAMES



A CLOUD GURU

The Coca-Cola Company

Robot®



THOMSON REUTERS

AWS LAMBDA AND JAVA

- ▶ We need:
 - ▶ com.amazonaws.aws-lambda-java-core
 - ▶ Maven Shade Plugin
- ▶ Create Handler
 - ▶ Custom MethodHandler
 - ▶ Implement RequestHandler
 - ▶ Implement RequestStreamHandler
- ▶ man clean package shade:shade

GO CLOUD | GO SERVERLESS | HAVE FUN(!)



(because we all love fun)